This proposed project includes modifications to the flue gas flow through scrubber modules to increase SO_2 and acid gas removal at proposed higher emission flows.

5. EMISSION POINTS:

The present emission point for the IGS boilers is a lined chimney that discharges at 712 feet above ground level (5386 feet above sea level). The chimney location is 39° 39' 39" longitude, 112° 34' 46" latitude (UTM 4374448 meters Northing, 364239 meters Easting.).

Other emission points such as coal handling and the cooling towers are located on the same site proximate to the chimney.

6. SAMPLING/MONITORING:

Emissions from boiler combustion are continuously sampled and monitored at the chimney for nitrogen oxides, sulfur oxides, carbon dioxide, and volumetric flow. Opacity is measured at the fabric filter outlet. Other parameters recorded include heat input and production level (megawatt load). Monitoring will remain unchanged. Other emissions not directly monitored are calculated using engineering judgement, emission factors, and fuel analyses. The type and location of the monitors will not be changed.

7. OPERATING SCHEDULE:

IGS operates 24 hours per day, seven days per week. This will not change as a result of the proposed modifications.

8. CONSTRUCTION SCHEDULE:

Construction of the modifications will be performed in a staged manner to accommodate use of normal plant maintenance outage periods.

9. MODIFICATION SPECIFICATIONS:

The changes covered by the modification include:

- **High Pressure Turbine Retrofit:**

  The high pressure turbine on each unit at IGS is scheduled to be replaced with a current technology, high efficiency turbine. This unit will increase high pressure turbine efficiency from approximately 84% to over 92%. Additionally, the turbine will be sized to provide up to 8.6% additional output.

- **Cooling Tower Performance Upgrade:**

  The cooling towers on each unit at IGS are scheduled for performance enhancement modifications to increase heat rejection capacity. The enhancement consists of